

CiTi One, ECH 12 and ECH 15 Technical Data

Low Lift Pallet Trucks

CiTi One

ECH 12/Li-Ion

ECH 15/Li-Ion





					STILL		STILL		STILL		
					CiTi One		ECH 12		ECH 15		
Features	1.1	Manufacturer									
	1.2	Manufacturer's model designation									
	1.3	Drive				Electric		Electric		Electric	
	1.4	Operation				Pedestrian		Pedestrian		Pedestrian	
	1.5	Load capacity/load	Q	kg		500		1200		1500	
	1.6	Load centre	c	mm		600		600		600	
	1.8	Load distance	forks lifted/lowered	x	mm	972/906	772/706	950 (880) ¹		946/883	
	1.9	Wheel base	y	mm		1185	985	1190 (1120) ¹		1200/1135	
	Weights	2.1	Service weight (incl. battery)		kg	5/9/15 Ah: 98/99/102		130		180	
2.2		Axle load, laden	drive end/load end	kg	224/374		420/910		606/1074		
2.3		Axle load, unladen	drive end/load end	kg	71/27		110/20		145/35		
Tyres/chassis	3.1	Tyres			Solid rubber		Polyurethane		Polyurethane		
	3.2	Tyre size	drive end	mm	Ø 310 x 85		Ø 210 x 70		Ø 210 x 70		
	3.3	Tyre size	load end	mm	Tandem Ø 80 x 37		Ø 80 x 60		Ø 80 x 60 (Ø 74 x 88)		
	3.4	Support roller size		mm	-		-		Ø 74 x 30		
	3.5	Number of wheels (x = driven)	drive end/load end			1x /2		1x/2 (1x/4) ²		1x 2/4 (1x 2/2) ²	
	3.6	Track width	drive end/load end	b ₁₀ /b ₁₁	mm	-/410		-		-	
Dimensions	4.4	Lift		h ₃	mm	125		110		115	
	4.9	Tiller handle height in driving position	min./max.	h ₁₄	mm	650/1170		720/1190		700/1200	
	4.15	Fork height, lowered		h ₁₃	mm	85		80		80	
	4.19	Overall length		l ₁	mm	1560		1540		1550	
	4.20	Length including fork backs		l ₂	mm	410		390		400	
	4.21	Total width		b ₁	mm	550		560 (685) ¹		620 (705) ¹	
	4.22	Fork dimensions	DIN ISO 2331	s/e/l	mm	55/140/1150	55/140/950	53/150/1150		50/150/1150	
	4.25	Overall fork width	min./max.	b ₅	mm	550		560 (685) ¹		540 (685)	
	4.32	Ground clearance, centre of wheel base		m ₂	mm	30		27		30	
	4.33	Working aisle width with 1000 x 1200 pallet crosswise		A _{st}	mm	2122		2193		2151	
4.34	Working aisle width with 800 x 1200 pallet lengthways (b ₁₂ x l ₆)		A _{st}	mm	1815		2062		2208		
4.35	Turning radius		W _a	mm	1387/1321	1187/1121	1390		1390		
Performance	5.1	Travel speed	laden/unladen	km/h	4.5/6.0		4.0/4.5		5.0/5.5		
	5.1.1	Permitted speed at thresholds and crossings		km/h	<2		-		-		
	5.2	Lifting speed	laden/unladen	m/s	0.037/0.054		0.02/0.025		0.028/0.031		
	5.3	Lowering speed	laden/unladen	m/s	0.049/0.058		0.06/0.03		0.068/0.043		
	5.8	Max. gradeability kB 5	laden/unladen	%	8/8		4/10		8/20		
5.10	Service brake				Electromagnetic		Electromagnetic		Electromagnetic		
Electric engine	6.1	Drive motor, rating S2 = 60 min		kW	0.3		0.65		0.9		
	6.2	Lift motor, rating at S3		kW	0.35		0.5		0.8		
	6.3	Battery according to DIN 43531/35/36; A, B, C, no			Nickel battery		Li-Ion		Li-Ion		
	6.4	Battery voltage/rated capacity K _s		V/Ah	36/9		24/20		48/20-30		
	6.5	Battery weight ±5% (depends on make)	5/9/15 Ah	kg	6.4/7.0/10.5		3.7 - 5.0		10.5		
	6.6	Energy consumption according to VDI cycle		kWh/h	0.06		0.25		0.239		
Misc.	8.1	Drive control			AC control		DC control		DC control		
	8.4	Sound pressure level at driver's ear		dB(A)	<60		<74		<70		

¹ Overall fork width ECH 12: 685 mm, ECH 15: 680 mm

² With tandem rollers

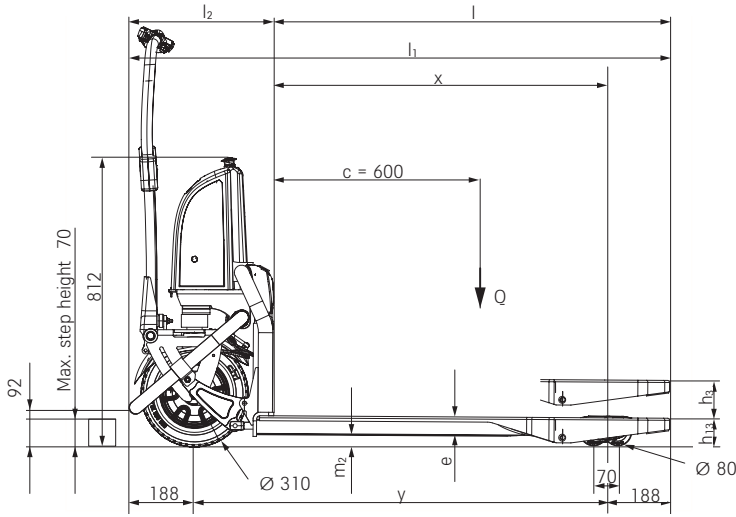
Battery power and charging times

	Batteries					Maximum charging time	
	Capacity	Voltage	Technology	Weight	Operating time	Standard charger	Fast charger
CiTi One	5 Ah	36 V	NiCd	6.4 kg	Up to 45 min	5 h	1 h 40 min
	9 Ah	36 V	NiMH	7 kg	Up to 75 min	9 h	3 h
	15 Ah	36 V	NiMH	10.5 kg	Up to 120 min	15 h	5 h
ECH 12/ ECH 15	20 Ah	24 V	Li-Ion	5 kg	Up to 120 min	2 h	-
	20 Ah	48 V	Li-Ion	10.5 kg	Up to 200 min	2 h	-
	30 Ah	48 V	Li-Ion	10.5 kg	Up to 300 min	3 h	-

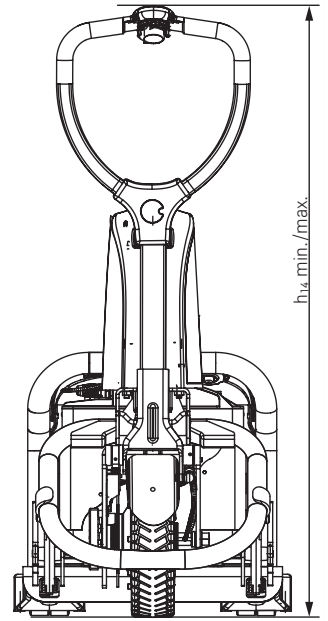
CiTi One: Maximum possible step height

Load weight	Step height	Recommended speed
150 kg	70 mm	>2 km/h
300 kg	50 mm	>2 km/h
500 kg	45 mm	>2 km/h

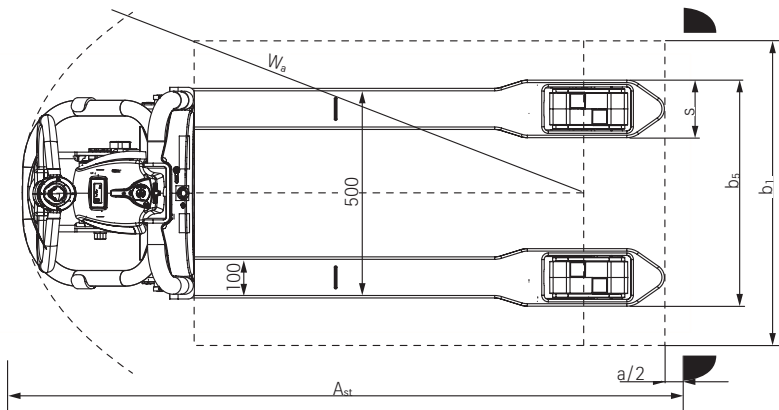
CiT_i One Low Lift Pallet Truck
 Technical Drawings



CiT_i One side view

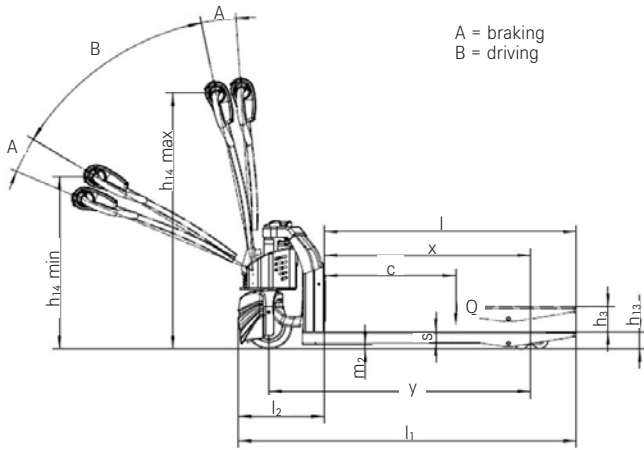


CiT_i One rear view

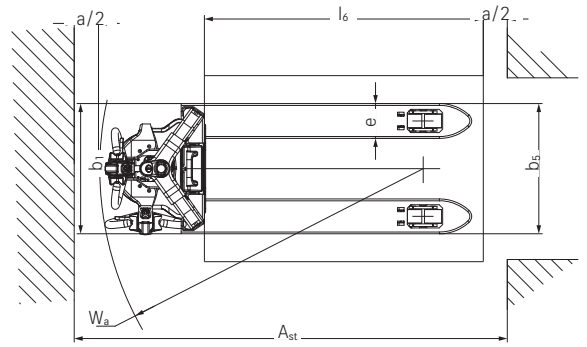


CiT_i One top view

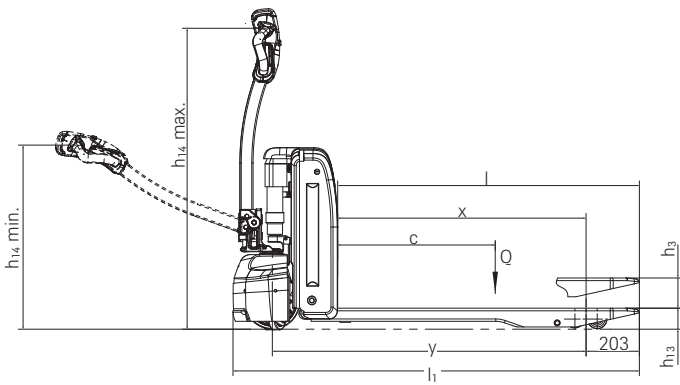
ECH 12 and ECH 15 Low Lift Pallet Trucks
 Technical Drawings



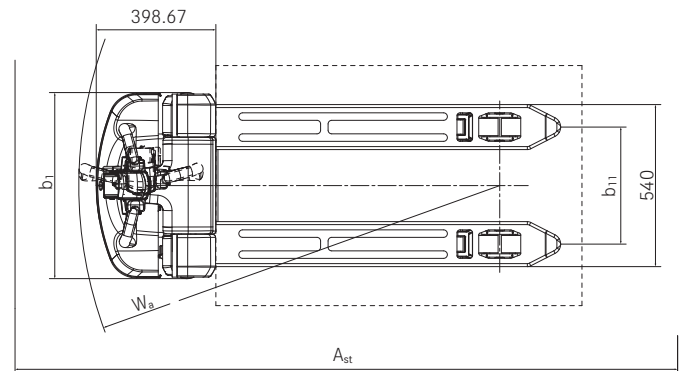
ECH 12 side view



ECH 12 top view



ECH 15 side view



ECH 15 top view

CiT1 One and ECH 12 Low Lift Pallet Trucks Detailed Photos



Can be used on any flooring thanks to profiled solid rubber drive wheel¹



Kerbs and thresholds up to 70 mm are easy to negotiate thanks to the climbing runners¹



Both operator and environment benefit from extremely quiet operation even on uneven floors¹



Mobility is ensured in any situation thanks to the emergency running feature¹



Compact design of a hand pallet truck for working in confined spaces²



Robust frame design and low chassis frame for maximum operator safety²

¹ Example shown here is the CiTi One // ² Example shown here is the ECH 12

ECH 12 and ECH 15 Low Lift Pallet Trucks Detailed Photos



Ultimate availability thanks to a Li-ion battery with the option of fast interim charging²



Everything in view at all times: The multi-function display provides information about operating hours, battery status and service information²



The low height of the pallet truck makes the fork tips easy to see³



Always available: The integrated charger with Li-ion technology allows for convenient interim charging³



Standard support wheels provide improved lateral support³



Compact dimensions allow for flexible use even in confined spaces³

² Example shown here is the ECH 12 // ³ Example shown here is the ECH 15

CiTi One Low Lift Pallet Truck Innovative for Urban Goods Supply

Effortlessly negotiate kerbs and thresholds up to 70 mm thanks to the climbing runners

To be used on any flooring thanks to profiled solid rubber drive wheel

Both operator and environment benefit from extremely quiet operation



CiTi One

The STILL CiTi One is revolutionising urban goods supply. These electrically powered low lift pallet trucks are ultra-silent and effortlessly move loads weighing up to 500 kg – with a service weight of only 95 kg. The large solid rubber wheel runs with reliability, precision and good tracking on roads, pavements or cobblestones. The CiTi One achieves excellent handling performance, not only tackling uneven floor surfaces with ease, but also traversing steps, kerbs, thresholds and tracks with heights of up to 70 mm. The parking brake ensures stability on ramps

and gradients. As the control lever can be operated with one hand, you always have a firm grip on the compact device. One glance at the multifunctional display provides you with information on the operating hours, the battery charging status and on the weight of the current load if required. All this makes the STILL CiTi One the ideal partner on the last leg of urban goods supply: for market stallholders and tradesmen or in hospitals, administrative buildings and leisure parks.



ECH 12 and ECH 15 Low Lift Pallet Trucks Ready to Go

Unrivalled compactness: Small size allows for operation even in the most confined spaces

Li-Ion battery guarantees ultimate availability and flexibility

Innovative powerhouse: Effective goods handling thanks to a lifting capacity of up to 1,200 kg



ECH 12

STILL is setting new set standards in pallet truck productivity and efficiency with the ECH 12: no need for a hand pallet truck anymore – with a lifting capacity of up to 1,200 kg, heavy loads can be transported fatigue-free with the ECH 12. Electric lifting and driving noticeably relieves stress on the operator, just as the ergonomic design of the tiller head enables a natural hand position during operation. The compact low lift pallet truck is powered by innovative Li-Ion technology, which is particularly maintenance free and reliable. The Li-Ion battery is very easy to change and can be easily inserted into the forklift truck for ultimate availability. The ECH 12 is unrivalled in terms of compactness

and manoeuvrability, and with a turning radius of just 1,390 mm it is right at home in narrow aisles and tight storage areas. Its compactness is also an advantage in lorry transport, as is its low service weight of only 130 kg including battery. The multi-function display integrated into the tiller keeps the operator informed at all times about the current battery charge levels, operating hours and provides operator information. The ECH 12 can thus master a wide variety of logistics tasks and proves itself to be a real all-rounder in the field of low lift pallet trucks.

Ultimate availability and flexibility thanks to the Li-ion battery and built-in charger

Efficiency and ergonomics: The lifting capacity of up to 1,500 kg and electrically powered lifting and lowering make for quick and effortless goods handling

Compact dimensions, a deep-drawn chassis and additional support wheels ensure high levels of operational safety and stability even in the tightest of spaces



ECH 15

The ECH 15 low lift pallet truck by STILL is an innovative, compact power package for diverse applications. The small and nimble assistant transports loads weighing up to 1,500 kg – while only weighing 200 kg itself. It is therefore ideal for many different applications, be it on mezzanines or in goods lifts as well as for transportation by lorry, especially when loading and unloading by lifting platform. Thanks to the standard support wheels the ECH 15 is stable in operation and

guarantees safe goods handling. The centrally arranged drive wheel and additional support wheels provide for great stability. The compact and deep-drawn chassis makes the ECH 15 resilient, durable and safe to operate. Thanks to its powerful, maintenance-free 48 V Li-ion battery and additional built-in charger, the ECH 15 is reliable and easy to use. The display also keeps the operator informed at all times about the current battery charge status and operating hours.



Simply easy

- Fatigue-free operation: Easy-grip tiller for left and right-handed operators
- Real-time information: Multi-function display shows battery charge status and operating hours



Simply powerful

- Impressive goods handling: Lifting capacity of 500 to 1,500 kg
- Always ready for use: Additional replacement battery maximises availability
- Durable: Sturdy frame construction
- High performance: Powerful and low-maintenance drive motor



Simply safe

- Safe operation: Impact plate in optimum size and position
- Improved operator health: No exhaust emissions thanks to maintenance-free battery technology
- Quiet operation: PIEK certification confirms low noise emissions – a plus for both operators and the environment



Simply flexible

- Suitable for almost any application thanks to compact dimensions
- Different fork dimensions available for different load carriers



Simply connected

- Seamless interaction: The li-ion batteries with battery management system interact with the truck



CiTi One, ECH 12 and ECH 15 Low Lift Pallet Trucks Equipment Variants



		CiTi One	ECH 12	ECH 15
General	Powerful drive motor	●	●	●
	Easy-grip tiller for ergonomic operation	●	●	●
	Multifunction display	●	●	●
	Various fork sizes	●	●	●
	Sturdy frame construction	●	●	●
	Weighing equipment	○	—	—
	PIEK certification for low-noise deliveries of 60 dB	●	—	—
	Loading roller for improved lateral pallet lifting	—	—	○
Tyres	Tyres for slippery floors	—	○	○
	Load roller tyres, single	—	●	●
	Load roller tyres, tandem	—	○	○
	Climbing runners for easy crossing of thresholds and transitions of up to 70 mm	●	—	—
Safety	Easy-to-reach emergency stop button	●	●	●
	Sensitive impact plate for high levels of operational safety in confined spaces	●	●	●
Battery	Maintenance-free battery technology	●	●	●
	Additional battery	○	○	○
	External charger	●	●	○
	Built-in charger for charging on-the-spot	—	—	●
	Various types of mains plugs	○	○	○

● Standard ○ Option — Not available





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